

L62 ANSWER 2 OF 2 HCPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2000:166259 HCPLUS Full-text
 DOCUMENT NUMBER: 132:210209
 TITLE: Secondary nonaqueous-electrolyte batteries with
 electrolytes containing cyanoethoxy
 compounds
 INVENTOR(S): Kobayashi, Aya; Izuchi, Shuichi
 PATENT ASSIGNEE(S): Yuasa Battery Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000077096	A	20000314	JP 1998-244674	19980831
PRIORITY APPLN. INFO.:			JP 1998-244674	19980831

OTHER SOURCE(S): MARPAT 132:210209

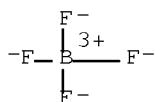
ED Entered STN: 14 Mar 2000

AB Claimed batteries are equipped with electrolytes containing cyanoethoxy compds. $R(OC_2H_4CN)_n$ ($n = 1-4$; $R = C_mH_{2m+2-n}$, $C_mH_{2m+2-n}(OC_2H_4)_p$, $C_mH_{2m+2-n}CO$, or $C_mH_{2m+2-n}OCO$; $m = 1-3$; $p = 1-4$) as nonaq. solvents for Li salts. Optionally, the batteries are equipped with gelled polymer electrolytes. The batteries have long cycle life at low temperature

IT 14283-07-9, Lithium tetrafluoroborate
 (electrolytes; nonaq. batteries with electrolytes containing cyanoethoxy compds. for long cycle life at low temperature)

RN 14283-07-9 HCPLUS

CN Borate(1-), tetrafluoro-, lithium (1:1) (CA INDEX NAME)

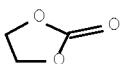


● Li^+

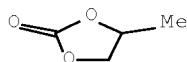
IT 96-49-1, Ethylene carbonate 108-32-7, Propylene carbonate 260362-83-2
 (solvents; nonaq. batteries with electrolytes containing cyanoethoxy compds. for long cycle life at low temperature)

RN 96-49-1 HCPLUS

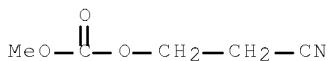
CN 1,3-Dioxolan-2-one (CA INDEX NAME)



RN 108-32-7 HCAPLUS
 CN 1,3-Dioxolan-2-one, 4-methyl- (CA INDEX NAME)



RN 260362-83-2 HCAPLUS
 CN Carbonic acid, 2-cyanoethyl methyl ester (CA INDEX NAME)



IC ICM H01M010-40
 CC 52-2 (Electrochemical, Radiational, and Thermal Energy Technology)
 ST cyanoethoxy compd nonaq electrolyte solvent battery; lithium
 battery electrolyte solvent cyanoethoxy compd
 IT Secondary batteries
 (lithium; nonaq. batteries with electrolytes containing
 cyanoethoxy compds. for long cycle life at low temperature)
 IT Battery electrolytes
 (nonaq. batteries with electrolytes containing cyanoethoxy
 compds. for long cycle life at low temperature)
 IT Polyoxalkylenes, uses
 (trifunctional acrylates, lithium complexes, gelled electrolytes;
 nonaq. batteries with electrolytes containing cyanoethoxy
 compds. for long cycle life at low temperature)
 IT 14283-07-9, Lithium tetrafluoroborate
 (electrolytes; nonaq. batteries with electrolytes containing
 cyanoethoxy compds. for long cycle life at low temperature)
 IT 25322-68-3D, Polyethylene glycol, trifunctional acrylates, lithium
 complexes
 (gelled electrolytes; nonaq. batteries with electrolytes containing
 cyanoethoxy compds. for long cycle life at low temperature)
 IT 96-48-0, γ -Butyrolactone 96-49-1, Ethylene carbonate
 108-32-7, Propylene carbonate 110-67-8 1656-48-0, Bis-2-
 cyanoethyl ether 2141-62-0 3386-87-6 5325-93-9
 20597-73-3 32846-35-8, Bis 2-cyanoethyl carbonate
 35633-51-3 260362-83-2
 (solvents; nonaq. batteries with electrolytes containing
 cyanoethoxy compds. for long cycle life at low temperature)